



ASBESTOS AIR ANALYSIS

By: PHASE CONTRAST MICROSCOPY

Client: SAQ Environmental Engineers, Inc.
PO Box 155
Manati, PR 00674

CEI Lab Code: P14-1577
Date Received: 06-30-14
Date Analyzed: 06-30-14
Date Reported: 07-01-14

Project: Jorge Lucas Perez Valdivieso

ASBESTOS FIBER COUNT, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (Liters)	Fibers	Fields	Fibers / cc
HOM-062614-FB-DO-01 Field Blank	P94050	Blank	0	100	
HOM-062614-FB-DO-02 Field Blank	P94051	Blank	0	100	
HOM-062614-A-DO-03	P94052	4620	29	100	0.0031
HOM-062614-A-DO-04	P94053	4635	28	100	0.003
HOM-062614-A-DO-05	P94054	4635	22	100	0.0023
HOM-062614-A-DO-06	P94055	4635	20.5	100	0.0022
HOM-062614-A-DO-07	P94056	4635	28.5	100	0.003



REGULATORY LIMITS: OSHA: Excursion Level (EL) is 1.0 fibers per cc based on a 30 minute sample.
OSHA: Permissible Exposure Level (PEL) is 0.10 fibers per cc based on 8 hour TWA.
EPA: Final Clearance Standard is 0.01 fibers per cc.

METHOD: NIOSH 7400, A RULES

Please note that the results have not been corrected for contamination based on the field blank or lab blank. The results relate only to the items tested. The overall relative standard deviation (Sr) for the lab = 0.20. The detection limit is 7 fibers/mm². Samples were received in acceptable condition.

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A handwritten signature in black ink, appearing to read "Antonia Hoyland".

ANALYST: _____

Antonia Hoyland

A handwritten signature in black ink, appearing to read "Tianbao Bai".

APPROVED BY: _____

Tianbao Bai, Ph.D.
Laboratory Director

AIHA IHLAP #103025



107 New Edition Court, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

P14-1577 (7)

CEI Lab I.D. Range:

P94050 - P94056

Applied Building Sciences

Company: SAQ Environmental Engineers, Inc

Client #:

Address: PO Box 155, Manati P.R. 00674

Job Contact: Samuel Quiñonez

Project Name: Jorge Lucas Perez Valdivieso

Email: samuelq@sagee.com

Tel: 787-374-6187

ASBESTOS	METHOD	4 HR*	8 HR*	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR NIOSH	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/>
TEM MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPES	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POSITIVE STOP ANALYSIS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOUTH CAROLINA SAMPLES		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TEM INSTRUCTIONS

BEGIN TEM ANALYSIS AFTER NEGATIVE PLM

☐

ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM

☐

REMARKS: If NIOSH 7400 result is > 0.0009f/cc, Them Anlyzed also for NIOSH 7402.

Collected by
Charles E. Cenic
June-26-2014

☒

Accept Samples

☐

Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Charles E. Cenic	June-26-14	ATZ	06/26/14 15:00
NZ	June-27-14 8:00	W	06/30 8:00

* Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

CEI  **LABS**

COMPANY CONTACT INFORMATION

Job Contact: Samuel Quiñonez

Project ID #:

Tel:787-374-6187

[illegible]

VERSION SCCC.06.12.1.2/2.LD
Customer COC Page 2



ALTOL ENVIRONMENTAL SERVICES, INC.

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PO BOX 359 MERCEDITA, PR 00715-0359

CHAIN OF CUSTODY (TRANSMITTAL SHEET FOR AIR SAMPLES)

Customer Name: <u>Homeca Recycling</u>	Project Name: <u>Lucas Perez Valdivieso, Public School</u>
Contact: <u>Samuel Quiñonez</u>	Total Samples: <u>7</u> Job Number: <u>ENJ-1161</u>
Phone / Fax/Email: <u>787-374-6187</u>	Worker Name: <u>N/A</u> Worker ID: <u>N/A</u>
Collected By: <u>Carlos E. Ocasio</u> <u>03010139-MS</u>	Worker Name: <u>N/A</u> Worker ID: <u>N/A</u>
Analyzed By Lab: <u>Cei Labs</u>	Worker Name: <u>N/A</u> Worker ID: <u>N/A</u>
AIHA Lab ID: <u>AIHA IHLAP #103025</u>	Worker Name: <u>N/A</u> Worker ID: <u>N/A</u>

Project Description: _____ If NIOSH results is >0.0009 f/cc, them analyzed also for NIOSH 7402

Date	Sample ID	Sample Description	Pump	Time		Flow Rate			Volume (L)	Asbestos		Lead Air	Minutes
				START	STOP	Initial	Final	Avg.		PCM	TEM		
June-26-14	HOM-062614-FB-DO-01	Field Blank I	-----	----	----	----	----	----	---	X	X		---
June-26-14	HOM-062614-FB-DO-02	Field Blank II	-----	----	----	----	----	----	---	X	X		---
June-26-14	HOM-062614-A-DO-03	Director office, office space#1, air sample	Hv-6269	11:22	16:30	15.0	15.0	15.00	4620.0	X	X		308
June-26-14	HOM-062614-A-DO-04	Director office, office space#2, air sample	Hv-5939	11:30	16:39	15.0	15.0	15.00	4635.0	X	X		309
June-26-14	HOM-062614-A-DO-05	Director office, office space#3, air sample	Hv-615330	11:35	16:44	15.0	15.0	15.00	4635.0	X	X		309
June-26-14	HOM-062614-A-DO-06	Director office, office space#4, air sample	Hv-5109	11:38	16:47	15.0	15.0	15.00	4635.0	X	X		309
June-26-14	HOM-062614-A-DO-07	Director office, office space#5, air sample	Hv-615332	11:40	16:49	15.0	15.0	15.00	4635.0	X	X		309

Turn Around Time: Normal: 7 days _____ Rush: 24 hours ☒ Rush: 16 hours _____

Sampling Collected by: <u>Carlos E. Ocasio</u>	Relinquished by: <u>[Signature]</u>	Received by: _____	Relinquished by: _____	Received by: _____	Delivery to Lab by: _____	Received at Lab by: _____
Date: <u>Jul 20-14</u> Time: _____	Date: <u>Jul 20-14</u> Time: _____	Date: _____ Time: _____	Date: _____ Time: _____	Date: _____ Time: _____	Date: _____ Time: _____	Date: _____ Time: _____

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